RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/575.552
Source:	IFWP.
Date Processed by STIC:	10/25/06

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 10/25/2006
PATENT APPLICATION: US/10/575,552 TIME: 08:57:16

Input Set : A:\1034123-000218.ST25.txt
Output Set: N:\CRF4\10252006\J575552.raw

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3 <110> APPLICANT: Gallo, Richard
      4 Murakami, Masamoto
      6 <120> TITLE OF INVENTION: HUMAN CATHELICIDIN ANTIMICROBIAL PEPTIDES
      8 <130> FILE REFERENCE: 1034123-000218
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/575,552
     11 <141> CURRENT FILING DATE: 2006-04-11
     13 <150> PRIOR APPLICATION NUMBER: US 60/512,953
     14 <151> PRIOR FILING DATE: 2003-10-21
     16 <150> PRIOR APPLICATION NUMBER: PCT/US2004/034911
     17 <151> PRIOR FILING DATE: 2004-10-20
     19 <160> NUMBER OF SEQ ID NOS: 34
     21 <170> SOFTWARE: PatentIn version 3.3
     23 <210> SEQ ID NO: 1
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     25 <212> TYPE: PRT
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     32 <223> OTHER INFORMATION: K or R
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     51 <222> LOCATION: (6)..(6)
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     57. <223> OTHER INFORMATION: any amino acid
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W--> 60 <221> NAME/KEY: X
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61 <222> LOCATION: (8)..(8)

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Input Set : A:\1034123-000218.ST25.txt Output Set: N:\CRF4\10252006\J575552.raw 62 <223> OTHER INFORMATION: L or F 64 <220> FEATURE: W--> 65 <221> NAME/KEY: X 66 <222> LOCATION: (9)..(11) 67 <223> OTHER INFORMATION: any amino acid 69 <400> SEQUENCE: 1 72 1 75 <210> SEQ ID NO: 2 76 <211> LENGTH: 11 77 <212> TYPE: PRT 78 <213> ORGANISM: Homo sapiens 80 <400> SEQUENCE: 2 82 Lys Arg Ile Val Gln Arg Ile Lys Asp Val Phe 83 1 86 <210> SEQ ID NO: 3 87 <211> LENGTH: 8 88 <212> TYPE: PRT 89 <213> ORGANISM: Homo sapiens 91 <400> SEQUENCE: 3 93 Arg Lys Ser Lys Glu Lys Ile Gly 94 1 97 <210> SEQ ID NO: 4 98 <211> LENGTH: 8 99 <212> TYPE: PRT 100 <213> ORGANISM: Homo sapiens 102 <400> SEQUENCE: 4 104 Lys Ser Lys Glu Lys Ile Gly Lys 105 1 108 <210> SEQ ID NO: 5 109 <211> LENGTH: 739 110 <212> TYPE: DNA 111 <213> ORGANISM: Homo sapiens 113 <400> SEQUENCE: 5 114 taaaqcaaac cccaqcccac accctggcag gcagccaggg atgggtggat caggaaggct 60 116 cctqqttqqq cttttqcatc aggctcaggc tgggcataaa ggaggctcct gtgggctaga 120 118 gggaggcaga catggggacc atgaagaccc aaagggatgg ccactccctg gggcggtggt 180 120 cactggtgct cctgctgctg ggcctggtga tgcctctggc catcattgcc caggtcctca 240 122 gctacaagga agctgtgctt cgtgctatag atggcatcaa ccagcggtcc tcggatgcta 300 124 acctetaccg cetectggae etggaeceea ggeceaegat ggatggggae eeagaeaege 360 126 caaagcctgt gagcttcaca gtgaaggaga cagtgtgccc caggacgaca cagcagtcac 420 128 cagaggattg tgacttcaag aaggacgggc tggtgaagcg gtgtatgggg acagtgaccc 480 130 tcaaccaggc caggggctcc tttgacatca gttgtgataa ggataacaag agatttgccc 540 132 tgctgggtga tttcttccgg aaatctaaag agaagattgg caaagagttt aaaagaattg 600 134 tocagagaat caaggatttt ttgcggaatc ttgtacccag gacagagtcc tagtgtgtgc 660 136 cctaccctgg ctcaggcttc tgggctctga gaaataaact atgagagcaa tttcaaaaaa 720 739 138 aaaaaaaaa aaaaaaaaa 141 <210> SEQ ID NO: 6

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/575,552

142 <211> LENGTH: 170

RAW SEQUENCE LISTING DATE: 10/25/2006
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Input Set : A:\1034123-000218.ST25.txt
Output Set: N:\CRF4\10252006\J575552.raw

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152 Leu Leu Leu Cly Leu Val Met Pro Leu Ala Ile Ile Ala Gln Val
156 Leu Ser Tyr Lys Glu Ala Val Leu Arg Ala Ile Asp Gly Ile Asn Gln
160 Arg Ser Ser Asp Ala Asn Leu Tyr Arg Leu Leu Asp Leu Asp Pro Arg
                            55
                                                60
164 Pro Thr Met Asp Gly Asp Pro Asp Thr Pro Lys Pro Val Ser Phe Thr
                        70
                                            75
168 Val Lys Glu Thr Val Cys Pro Arg Thr Thr Gln Gln Ser Pro Glu Asp
172 Cys Asp Phe Lys Lys Asp Gly Leu Val Lys Arg Cys Met Gly Thr Val
173
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                                    105
176 Thr Leu Asn Gln Ala Arg Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp
177
           115
                                120
                                                     125
180 Asn Lys Arg Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu
                            135
184 Lys Ile Gly Lys Glu Phe Lys Arg Ile Val Gln Arg Ile Asp Asp Phe
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188 Leu Arg Asn Leu Val Pro Arg Thr Glu Ser
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202 gatgacttca accagcagte ectagacace aatetetace gteteetgga cetggateet
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204 gagccccaag gggacgagga tccagatact cccaagtctg tgaggttccg agtgaaggag
                                                                          240
206 actgtatqtq qcaaqqcaga gcgqcagcta cctqagcaat gtgccttcaa ggaacagggg
                                                                          300
208 gtggtgaage agtgtatggg ggeagteace etgaaceegg eegetgatte ttttgacate
                                                                          360
210 agetgtaacg agectggtge acagecettt eggtteaaga aaattteeeg getggetgga
                                                                          420
212 cttctccgca aaggtgggga gaagattggt gaaaagctta agaaaattgg ccagaaaatt
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218 <211> LENGTH: 173
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220 <213> ORGANISM: murine
222 <400> SEQUENCE: 8
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225 1
228 Ser Leu Leu Leu Leu Gly Leu Gly Phe Ser Gln Thr Pro Ser Tyr
232 Arg Asp Ala Val Leu Arg Ala Val Asp Asp Phe Asn Gln Gln Ser Leu
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PATENT APPLICATION: US/10/575,552 TIME: 08:57:16

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236 Asp Thr Asn Leu Tyr Arg Leu Leu Asp Leu Asp Pro Glu Pro Gln Gly 240 Asp Glu Asp Pro Asp Thr Pro Lys Ser Val Arg Phe Arg Val Lys Glu 244 Thr Val Cys Gly Lys Ala Glu Arg Gln Leu Pro Glu Gln Cys Ala Phe 248 Lys Glu Gln Gly Val Val Lys Gln Cys Met Gly Ala Val Thr Leu Asn 105 252 Pro Ala Ala Asp Ser Phe Asp Ile Ser Cys Asn Glu Pro Gly Ala Gln 120 115 256 Pro Phe Arg Phe Lys Lys Ile Ser Arg Leu Ala Gly Leu Leu Arg Lys 135 260 Gly Gly Glu Lys Ile Gly Glu Lys Leu Lys Lys Ile Gly Gln Lys Ile 150 155 264 Lys Asn Phe Phe Gln Lys Leu Val Pro Gln Pro Glu Gln 268 <210> SEQ ID NO: 9 269 <211> LENGTH: 172 270 <212> TYPE: PRT 271 <213> ORGANISM: canine 273 <400> SEQUENCE: 9 275 Met Glu Thr Gln Lys Asp Ser Pro Ser Leu Gly Arg Trp Ser Leu Leu 279 Leu Leu Leu Gly Leu Val İle Thr Pro Ala Ala Ser Arg Ala Leu 20 25 283 Ser Tyr Arg Glu Ala Val Leu Arg Ala Val Asn Gly Phe Asn Gln Arg 40 287 Ser Ser Glu Glu Asn Leu Tyr Arg Leu Leu Gln Leu Asn Ser Gln Pro 55 291 Lys Gly Asp Glu Asp Pro Asn Ile Pro Lys Pro Val Ser Phe Thr Val 295 Lys Glu Thr Val Cys Pro Lys Thr Thr Gln Gln Pro Leu Glu Gln Cys 85 90 299 Gly Phe Lys Asp Asn Gly Leu Val Lys Gln Cys Glu Gly Thr Val Ile 105 303 Leu Asp Glu Asp Thr Gly Tyr Phe Asp Leu Asn Cys Asp Ser Ile Leu 120 115 307 Gln Val Lys Lys Ile Asp Arg Leu Lys Glu Leu Ile Thr Thr Gly Ala 130 135 140 311 Gln Lys Ile Gly Lys Lys Ile Arg Arg Ile Gly Gln Arg Ile Lys Asp 150 155 315 Phe Leu Lys Asn Leu Gln Pro Arg Glu Glu Lys Ser 319 <210> SEQ ID NO: 10 320 <211> LENGTH: 172 321 <212> TYPE: PRT 322 <213> ORGANISM: porcine 324 <400> SEQUENCE: 10

RAW SEQUENCE LISTING DATE: 10/25/2006
PATENT APPLICATION: US/10/575,552 TIME: 08:57:16

Input Set : A:\1034123-000218.ST25.txt
Output Set: N:\CRF4\10252006\J575552.raw

326 Met Glu Thr Gln Arg Ala Ser Leu Cys Leu Gly Arg Trp Ser Leu Trp 330 Leu Leu Leu Ala Leu Val Val Pro Ser Ala Ser Ala Gln Ala Leu 334 Ser Tyr Arg Glu Ala Val Leu Arg Ala Val Asp Arg Leu Asn Glu Gln 338 Ser Ser Glu Ala Asn Leu Tyr Arg Leu Leu Glu Leu Asp Gln Pro Pro 342 Lys Ala Asp Glu Asp Pro Gly Thr Pro Lys Pro Val Ser Phe Thr Val 346 Lys Glu Thr Val Cys Pro Arg Pro Thr Arg Gln Pro Pro Glu Leu Cys 85 90 350 Asp Phe Lys Glu Asn Gly Arg Val Lys Gln Cys Val Gly Thr Val Thr 354 Leu Asn Pro Ser Ile His Ser Leu Asp Ile Ser Cys Asn Glu Ile Gln 120 358 Ser Val Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro 135 362 Pro Pro Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe 366 Pro Pro Arg Phe Pro Pro Arg Phe Pro Gly Lys Arg 165 370 <210> SEQ ID NO: 11 371 <211> LENGTH: 176 372 <212> TYPE: PRT 373 <213> ORGANISM: goat 375 <400> SEQUENCE: 11 377 Met Glu Thr Gln Gly Ala Ser Leu Ser Leu Gly Arg Trp Ser Leu Trp 381 Leu Leu Leu Gly Leu Val Val Pro Leu Ala Ser Ala Gln Ala Leu 385 Ser Tyr Arg Glu Ala Val Leu Arg Ala Val Gly Gln Leu Asn Glu Arg 389 Ser Ser Glu Ala Asn Leu Tyr Arg Leu Leu Glu Leu Asp Pro Ala Pro 393 Asn Asp Glu Val Asp Pro Gly Thr Arg Lys Pro Val Ser Phe Thr Val 70 397 Lys Glu Thr Val Cys Pro Arg Thr Thr Gln Gln Pro Pro Glu Glu Cys 401 Asp Phe Lys Glu Asn Gly Leu Val Lys Gln Cys Val Gly Thr Val Thr 100 105 405 Leu Asp Pro Ser Asn Asp Gln Phe Asp Ile Asn Cys Asn Glu Leu Gln 120 409 Ser Val Arg Phe Arg Pro Pro Ile Arg Arg Pro Pro Ile Arg Pro Pro 135 413 Phe Asn Pro Pro Phe Arg Pro Pro Val Arg Pro Pro Phe Arg Pro Pro 150 155 417 Phe Arg Pro Pro Phe Arg Pro Pro Ile Gly Pro Phe Pro Gly Arg Arg 418 170

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 10/25/2006

PATENT APPLICATION: US/10/575,552

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Input Set : A:\1034123-000218.ST25.txt
Output Set: N:\CRF4\10252006\J575552.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,1,4,5,6,7,8,9,10,11_

VERIFICATION SUMMARY DATE: 10/25/2006 PATENT APPLICATION: US/10/575,552 TIME: 08:57:17

Input Set : A:\1034123-000218.ST25.txt
Output Set: N:\CRF4\10252006\J575552.raw

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number L:30 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:40 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:45 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:45 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:50 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:55 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:60 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:65 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:65 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:65 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
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